

Claims:

1. A mixer system for preparing water-thinnable coating compositions with precisely defined tinting from different base colors, the mixer system comprising

10 A) different base colors A containing water,

10 Aa) from 0.5 to 70% by weight of at least one color and/or effect pigment,

15 Ab) from 10 to 80% by weight of at least one water-dilutable or water-dispersible binder which can be prepared in the form of organic solutions, and

15 Ac) one or more organic solvents and, where appropriate, auxiliaries and additives,

20 the sum of the weight fractions of components Aa) to Ac) being in each case 100% by weight, and

25 B) at least one water-containing, pigment-free component B which comprises at least one rheology control additive and also, where appropriate, at least one water-dilutable or water-dispersible

binder, and, where appropriate, further auxiliaries and additives,

5 characterized in that the water content of component A is at least 5% and less than 20%.

2. The mixer system of claim 1, characterized in that the base colors A comprise as binder at least one polyurethane resin and/or amino resin and/or in 10 that component B comprises as binder at least one polyurethane resin and/or amino resin or polyacrylate resin.

15 3. The mixer system of one of claims 1 or 2, characterized in that the base colors A comprise as binder at least one polyurethane resin and/or amino resin and/or in that component B comprises as binder at least one polyurethane resin and/or amino resin or polyacrylate resin.

20 4. The mixer system of any of claims 1 to 3, characterized in that the different base colors A each contain

25 Aa) from 0.5 to 70% by weight of at least one color and/or effect pigment,

Ab) from 10 to 80% by weight of at least one water-dilutable or water-dispersible binder, and

5 Ac) at least one organic solvent and also, where appropriate, auxiliaries and additives,

10 the sum of the weight fractions of components Aa to Ac being in each case 100% by weight.

5. The mixer system of any of claims 1 to 4, characterized in that the mixer system comprises

15 A1) at least one base color comprising effect pigments,

A2) at least one base color comprising inorganic color pigments, and/or

20 A3) at least one base color comprising organic color pigments.

6. The mixer system of any of claims 1 to 5, characterized in that the different base colors A comprise the same binder or, in the case of binder mixtures, the same binders in the same mixing proportion to one another.

7. The mixer system of any of claims 1 to 6, characterized in that the different base colors A have the same ratio of solid binder to organic solvent and/or in that the ratio of solid binder to solvent in the finished aqueous coating composition is constant.

8. A process for preparing water-thinnable coating compositions with precisely defined tinting, in which different base colors of a mixer system are prepared and stored separately and are not mixed until shortly before the coating composition is applied, characterized in that the mixer system of any of claims 1 to 7 is used and the water-thinnable coating compositions are prepared by mixing at least one base color A and at least one component B of the mixer system.

9. The use of a mixer system of any of claims 1 to 8 for preparing aqueous basecoat materials for coating automobile bodies and/or plastic parts.

10. The use of a mixer system of any of claims 1 to 9 for preparing aqueous coating compositions for refinishing.

